

WHAT IS CLAIMED IS:

1. A ratchet wrench, comprising:

a handle having a hole at an end thereof;

5 a ratchet wheel having a polygonal hole at a center thereof, a first teeth portion at an annular outer surface thereof, and two engagement portions disposed respectively at opposite ends thereof; said ratchet wheel being rotatably mounted in the hole of the handle with the engagement portions protruded out of the hole of the handle;

10 a pawl mounted in the hole of the handle and having a second teeth portion detachably meshed with the first teeth portion of the ratchet wheel, and

two annular members firmly fastened to the engagement portions of the ratchet wheel respectively, said annular member each having an outer diameter greater than a diameter of the hole of the handle.

15

2. The ratchet wrench as defined in claim 1, wherein the engagement portions of the ratchet wheel are coaxially annually disposed at the annual outer surface at the opposite sides of said teeth portion.

20 3. The ratchet wrench as defined in claim 2, wherein the annular member is provided at a center thereof with a hole having a diameter substantially equal to a diameter of one of said engagement portions of the ratchet wheel such that the annular member is firmly fasten to the engagement portion of the ratchet wheel by fitting said engagement portion of the ratchet into the hole of the annular member.

25

4. The ratchet wrench as defined in claim 1, wherein the annular member is made of a plastic material.

5. The ratchet wrench as defined in claim 3, wherein the annular member is provided with an embossment at a wall of the hole thereof.

6. The ratchet wrench as defined in claim 1, wherein ratchet wheel is provided with embossments on the engagement portions of the ratchet wheel respectively.

10

7. The ratchet wrench as defined in claim 1, wherein said annular members are fastened to the engagement portions of the ratchet wheel by screw threads respectively.

15

8. The ratchet wrench as defined in claim 1, wherein the engagement portions of the ratchet wheel and the annular member are respectively provided with a slope surface engaged with each other.

9. A ratchet wrench, comprising:

20 a handle having a hole at an end thereof;

a ratchet wheel having a polygonal hole at a center thereof, a first teeth portion at an annular outer surface thereof, an engagement portion at an end thereof and an annular flange at the other end thereof, wherein the annular flange has an outer diameter greater than a diameter of the hole of the handle; said ratchet wheel being rotatably mounted in the hole of the handle with the engagement portion and the

25

annular flange protruded out of the hole;

a pawl mounted in the hole of the handle and having a second teeth portion detachably meshed with the first teeth portion of the ratchet wheel, and

an annular member having an outer diameter greater than the diameter of the hole of the handle, wherein the annular member is firmly fastened to the engagement portion of the ratchet wheel.

10. The ratchet wrench as defined in claim 9, wherein the engagement portion of the ratchet wheel is coaxially annually disposed at the annual outer surface.

11. The ratchet wrench as defined in claim 9, wherein the annular member is provided at a center thereof with a hole having a diameter substantially equal to a diameter of said engagement portion of the ratchet wheel such that the annular member is firmly fasten to the engagement portion of the ratchet wheel by fitting said engagement portion of the ratchet into the hole of the annular member.

12. The ratchet wrench as defined in claim 9, wherein the annular member is made of a plastic material.

13. The ratchet wrench as defined in claim 11, wherein the annular member is provided with an embossment at a wall of the hole thereof.

14. The ratchet wrench as defined in claim 9, wherein ratchet wheel is provided with an embossment on the engagement portion of the ratchet wheel.

15. The ratchet wrench as defined in claim 9, wherein said annular member is fastened to the engagement portion of the ratchet wheel by screw threads.

16. The ratchet wrench as defined in claim 9, wherein the engagement
5 portion of the ratchet wheel and the annular member are respectively provided with a slope surface engaged with each other.